

HILGARDIA

A Journal of Agricultural Science

PUBLISHED BY THE

California Agricultural Experiment Station

VOLUME 27

SEPTEMBER, 1957 TO OCTOBER, 1958

UNIVERSITY OF CALIFORNIA
BERKELEY, CALIFORNIA

1958



CONTENTS

	PAGE
No. 1, SEPTEMBER 1957	
ESAU, KATHERINE. Curly top symptoms in an inoculated cotyledon of the sugar beet. (Eight text figures).....	1
ESAU, KATHERINE. Anatomic effects of barley yellow dwarf virus and maleic hydrazide on certain Gramineae. (Twenty-eight text figures)	15
No. 2, SEPTEMBER 1957	
JENSEN, D. D. Parasites of the Psyllidae.....	71
No. 3, SEPTEMBER 1957	
HUFFAKER, C. B. Fundamentals of biological control of weeds. (Four text figures)	101
No. 4, SEPTEMBER 1957	
HALL, IRVIN M., and PAUL H. DUNN. Entomophthorous fungi para- sitic on the spotted alfalfa aphid. (Fourteen text figures).....	159
No. 5, SEPTEMBER 1957	
BAKER, G. A., and E. B. ROESSLER. Implications of a uniformity trial with small plots of wheat.....	183
No. 6, OCTOBER 1957	
WEAVER, ROBERT J., and STANLEY B. McCUNE. Response of Thomp- son Seedless grapes to 4-chlorophenoxyacetic acid and benzothia- sol-2-oxyacetic acid. (One text figure).....	189
No. 7, OCTOBER 1957	
FROST, HOWARD B., JAMES W. CAMERON, and ROBERT K. SOOST. Diversity among nucellar-seedling lines of Satsuma mandarin and differences from the parental old line. (Five text figures) ..	201
No. 8, DECEMBER 1957	
WALLACE, JAMES M. Virus-strain interference in relation to symp- toms of psoriasis disease of citrus. (Fourteen text figures).....	223
No. 9, DECEMBER 1957	
BROADBENT, F. E., K. B. TYLER, and G. N. HILL. Nitrification of ammoniacal fertilizers in some California soils. (Ten text figures)	247
No. 10, JANUARY 1958	
GENTILE, ADRIAN G., and FRANCIS M. SUMMERS. The biology of San Jose scale on peaches with special reference to the behavior of males and juveniles. (Three text figures).....	269
No. 11, FEBRUARY 1958	
LIDER, LLOYD A. Phylloxera-resistant grape rootstocks for the coastal valleys of California. (Two text figures).....	287

OVERSTREET, Roy, and R. K. SCHULZ. The effect of rice culture on a nonsaline sodic soil of the Fresno series. (Four text figures)	319
No. 13, JULY 1958	
SCHULZ, R. K., Roy OVERSTREET, and K. L. BABCOCK. On the soil chemistry of radio-strontium. (Three text figures)	333
No. 14, AUGUST 1958	
HUFFAKER, C. B. Experimental studies on predation: dispersion factors and predator-prey oscillations. (Nineteen text figures)	343
No. 15, AUGUST 1958	
MANN, LOUIS K., and P. A. MINGES. Growth and bulbing of garlic (<i>Allium sativum L.</i>) in response to storage temperature of planting stocks, day length, and planting date. (Thirteen text figures)	385
No. 16, AUGUST 1958	
CRAFTS, A. S., and S. YAMAGUCHI. Comparative tests on the uptake and distribution of labeled herbicides by <i>Zebrina pendula</i> and <i>Tradescantia fluminensis</i> . (Fourteen text figures)	421
No. 17, AUGUST 1958	
FRAZIER, NORMAN W., and ADRIAN F. POSNETTE. Relationships of the strawberry viruses of England and California. (Twenty-six text figures and four colored plates)	455
No. 18, SEPTEMBER 1958	
ALLEN, WILLIAM W. The biology of <i>Apanteles medicaginis</i> Muesebeck (Hymenoptera: Braconidae). (Five text figures)	515
No. 19, OCTOBER 1958	
LINSLEY, GORTON E. The ecology of solitary bees. (Three text figures)	543
No. 20, OCTOBER 1958	
BRICKHILL, CLIVE DESMOND. Biological studies of two species of tydeid mites from California. (Seven text figures)	601
No. 21, OCTOBER 1958	
BOLES, JAMES N. Economies of scale for evaporated milk plants in California. (Thirteen text figures and five appendix figures)	621
No. 22, OCTOBER 1958	
CRAFTS, A. S., H. B. CURRIER, and H. R. DREVER. Some studies on the herbicidal properties of maleic hydrazide. (Eleven text figures)	723

